

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently amended) A cable modem tuner comprising an upstream circuit for transmitting a data signal to a CATV (cable television) station, wherein

 said upstream circuit includes

 a gain controllable gain control circuit receiving said data signal,

 at least one power amplifying circuit power-amplifying the data signal having been gain controlled by said gain control circuit, and

 a control circuit transmitting a control signal to said at least one power amplifying circuit for controlling transmission/interruption of said data signal.

2. (Canceled)

3. (Canceled)

4. (Canceled)

5. (Canceled)

6. (Canceled)

7. (currently amended) A cable modem tuner including an upstream circuit for transmitting a data signal to a CATV (Cable Television) station and a receiving unit for receiving a down signal from said CATV station, comprising:

a duplexer for branching the data signal to said CATV station and the down signal from said CATV station; and

a return pass circuit outputting said data signal to said duplexer; and

said a-receiving unit receiving the down signal branched by said duplexer, wherein

said receiving unit includes

an up converter for converting said down signal to a first intermediate frequency signal of higher frequency,

a SAW filter for selecting the first intermediate frequency signal output from said up converter, and

a down converter converting the first intermediate frequency signal selected by said SAW filter to a second intermediate frequency signal of lower frequency for output, and

said SAW filter is formed of an oscillation circuit including a print coil or an air core coil-, and

said upstream circuit includes

a gain controllable gain control circuit receiving said data signal,

at least one power amplifying circuit power amplifying the data signal having been gain controlled by said control circuit, and

Appl. No.: 10/046,300
Docket No.: 0033-0785P
October 26, 2004
Art Unit: 2611
Page 4 of 18

a control circuit transmitting a control signal to said at least one power amplifying circuit for controlling transmission/interruption of said data signal.